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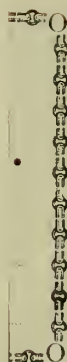
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LIBLIOGRAPHY
OF THE
GEOLOGY OF ILLINOIS

BY
MARGARET ALLANA STREIGHT

THESIS
presented for the degree of
BACHELOR OF LIBRARY SCIENCE

STATE LIBRARY SCHOOL

in the

UNIVERSITY OF ILLINOIS

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P R E F A C E

It was my desire in the beginning to bring together all the information published on the geology of Illinois. This I have not been able to accomplish fully but believe that this list will make a good working basis to which future additions may be made.

The subject headings have been taken from the Dewey Decimal Classification and the sub-arrangement is alphabetical with one or two exceptions where the alphabetical order has been sacrificed to bring together articles on the same subject.

The work has been almost entirely analytical, by far the greater number of articles appearing in magazines. The volume number and exact paging are given and the author's name in many instances.

L. A. S.

LIST OF ABBREVIATIONS

Amer. Assoc. Adv. Sci.	American Association for the Advancement of Science
Amer. Geol.	American Geologist
Amer. Inst. Min. Eng.	American Institute of Mining Engineers
Amer. Jour. Sci.	American Journal of Science
Amer. Meteor. Jour.	American Meteorological Journal
Amer. Nat.	American Naturalist
Ann. N.Y. Lyc.	Annals of the New York Lyceum
Assoc. Eng. Soc.	Association of Engineering Societies
Atlant.	Atlantic
Bost. Soc. Nat. Hist.	Boston Society of Natural History
Brit.	Britannica
Chic. Acad. Sci.	Chicago Academy of Sciences
Colliery Eng.	Colliery Engineering
Compte Rendu	Compte Rendu Hebdomadaires des séances de l'Académie des sciences
Dav. Acad. Sci.	Davenport Academy of Sciences
Eng. & Min. Jour.	Engineering & Mining Journal
Eng. News	Engineering News
Geol. Mag.	Geological Magazine
Geol. Rec.	Geological Record
Geol. Soc. Amer.	Geological Society of America
Harp.	Harper's Monthly
Hunt	Hunt
Ill. Geol. Surv.	Illinois Geological Survey

*Articles which have not been personally examined

Ill. Soc. Eng. & Surv.-----Illinois Society of Engineers &
 Surveyors

Ill. State Lab. Nat. Hist.-----Illinois State Laboratory of Nat-
 ural History

Iowa Acad. Sci.-----Iowa Academy of Science

Iron Age-----Iron Age

John. encyc. -----Johnson's encyclopaedia

Jour. Frankl. Inst.-----Journal of Franklin Institute

Jour. of Geol. -----Journal of Geology

Kansas Rev.-----Kansas Review

Manchester Geol. Soc.-----Manchester Geological Society

Min. Indus-----Mining Industries

Min. Geol. & Nat. Hist. Surv.---Minnesota Geological & Natural
 History Survey

M R-----Mineral Resources

Nature-----Nature

N.Y. Com. State Res.-----New York Commission of State Res-
 ervations

Peor. Sci. Assoc. -----Peoria Science Association

Pop. Sci. Mo.-----Popular Science Monthly

Science-----Science

Smith. Inst.-----Smithsonian Institution

U.S. Geol. Surv. -----U.S. Geological Survey

West. Soc. Eng.-----Western Society of Engineers

West. Jour.-----Western Journal

Wis. Acad. Sci.-----Wisconsin Academy of Sciences

World 's Fair Com.-----World's Fair Commission

LIBRARY S AND INDEXES USED FOR REFERENCE IN COMPILING BIBLIOGRAPHY

African catalogue

The John Creer library catalogue

Univ. of Illinois library catalogue

Annual literary index

Cumulative index

Poole's index

BIBLIOGRAPHIES

Algérie. Catalogues des bibliographies géologique

Whitney. List of American authors on geology and paleontology.

Harvard Bibliographic Contribution NO.15

Also Harvard Bull. V2

Agassiz. Bibliographia zoologica et geologica. ed. by H.M.

Strickland & W.Jardine. Lond. 1845-54

Geological record. 1874-79 & 1880-84 A list of publications on
geology, mineralogy & paleontology published during those
years.

U.S. Geol. Surv. Bull. 44, 75, 91, 99, 100, 130, 135, 146.

List of publications on geology.

U.S. Geol. Surv. Bull. 7

List of geological maps.

Maps

1809-Maclure, William. A map of the United States, colored geologically.

In "Observations on the geology of the United States, explanatory of a geological map." Trans. Amer. Phil. Soc., 7:411

1811-Maclure, William. Carte des États-Unis de l'Amérique-Nord, pour servir aux observations géologiques.

In "Observations sur la géologie des États-Unis." Jour. de Phys., de Chim., d'Hist. Nat. et des Arts. V. 72

1817-Maclure, William. Map of the United States of America designed to illustrate the geological memoir of William Maclure.

In "Observations on the geology of the United States of America." Trans. Amer. Phil. Soc., New Ser. V. I Also issued separately in 8°.

1822-Cleveland, Parker. (Geological map) The United States

In "An elementary treatise on mineralogy and geology, designed as a companion for travelers in the United States of America." 2:784. This is a copy of the 3rd. ed. of 1817 with a few additions or variations.

1843-Hall, James. Geological map of the middle and western states

In "Geology of New York," Pt. 4, comprising the survey of the fourth geological districts; also issued separately.

1843-McXon, Charles. Sketch of the geology of the United States

In "On the geology of the United States." Geol. 1843.

1845-Lyell, Sir Charles. Geological map of the United States, Canada, &c

In " Travels in North America in the years 1841-42".
Lond. and N. Y.

1851-Owen, R. D., Norwood, J. G. & Whittlesey, Charles. Geological map of Wisconsin, Iowa, and Minnesota, exhibiting also the extension of the Iowa coal field into Missouri, and its relation to the Illinois coal field.

III "Report of a geological survey of Wisconsin, Iowa, & Minnesota and of a portion of Nebraska territory." by R.D. Owen. Vol. of illus. Phil. 1852

1853-Marcou, Jules. Geological map of the United States and the British provinces of North-America.

In "A geological map of the United States and the British provinces of North-America, with an explanatory text, geological sections and plates of fossils which characterize the formation." Bost. 1853.

1853-Hitchcock, Edward. A geological map of the United States and Canada:

In " Outlines of the geology of the globe and of the United States in particular, with two geological maps, and sketches of the characteristic American fossils." Bost. 1854.

1855-Marcou, Jules. Carte Géologique des États-Unis et des provinces Britanniques de l'Amérique du Nord.

In " Voyage dans l'Amérique du Nord en 1853-4 par Guillaume

Lambert. Bruxelles, 1858.

1855-Marcou, Jules. Geologische Karte der Vereinigten Staaten und Britischen Provinzen von Nord-Amerika.

In "Ueber die geologie der Vereinigten Staaten und der Englischen Provinzen von Nord-Amerika." Petermann's geographische Mittheilungen. Vol. I

1855-Marcou, Jules. Carte géologique des États-Unis et des provinces anglaises de l'Amérique du Nord.

In "Résumé explicatif d'une carte géologique des États-Unis et des provinces anglaises de l'Amérique du Nord." Bull. Soc. géol. France, 12:513

1855-Logan, H.D. Geological map of the United States and British North America.

In "Physical atlas of natural phenomena," by Keith Johnston Edinburgh, 1858.

1856-MacLure, W. Carte des États-Unis de l'Amérique du Nord, pour servir aux observations géologiques.

In "Geology of North America," by Jules Marcou. Zurich 1858. This is a copy on a smaller scale of the Paris ed. of 1871

1869-Förster, J.W. Geological sketch of the United States.

In "Resources of the Mississippi valley." Chic. 1869.

1872-Hitchcock, C.H. & Blake, W.P. Geological map of the United States, compiled for the 9th. census. Wash. 1872

1873-MacFarlane, James. Map showing the coal fields of the United States

In "The coal regions of America." N.Y. 1873

1874-Hitchcock, C.H. Map of the coal fields of the United States, compiled from state reports.

In "Statistical atlas of the United States, based on the results of the 9th. census . Wash. 1874.

1876-Boyd, H. Geological map of the United States.

In " Remarks on the coal measures and oil produce of the United States of America, collected during a visit to that country in the autumn of 1875." Trans. North of Eng. Inst. Min. Eng. 25:188

1876-Boyd, H.F. Map of the coal fields of the United States.

IN " Remarks on the coal measures and oil produce of the United States of America, collected during a visit to that country in the autumn of 1875." Trans. North of Eng. Min. Eng. vol 25 plate 44

1876-Bradley, F.H. Geological chart of the United States east of the Rocky Mountains, and of Canada. New Haven, 1875.
A student's map in black etching.

1876-Hitchcock, C.H. & Blake, W.F. Geological map of the United States

In "Special report of the Smithsonian Institution for the Centennial." Wash. 1876. Same as that compiled for the 9th census.



1877-Hitchcock, C.H. & Blake, W.P. Geological map of the United States.

In "Atlas of the United States and the world," by Gray, P. il. 1877.

1879-Meek, J. Geological sketch of the United States.

In "An American geological railway guide, giving the geological formation at every railway station," p. 216. N.Y., 1879.

1881-Hitchcock, C.H. Geological map of the United States. Scale 20 miles to the inch. N.Y., 1881. A wall map 13 feet long and 8 feet wide; the largest geological map yet published of the United States and Canada.

Illinois

1839-Owen, D.D. Chart of the great Illinois coal field.

In "Report of a geological exploration of part of Iowa, Wisconsin and Illinois, made in the autumn of the year 1839." Wash. 1844.

1839-Owen, D.D. Geological chart of part of Iowa, Wisconsin and Illinois

In "Report of a geological exploration of part of Iowa, Wisconsin and Illinois made in the autumn of the year 1839." Wash. 1844.

1857-Morwood, J.G. Diagram of the state of Illinois (colored geologically) Illinois geological survey. Drawn by H.A. Jeffers



In " Abstract of a report on Illinois coals, and a general notice of coal fields." Chic. 1857.

1862-Whitney, J.D. Geological map of the lead region in the states of Iowa, Illinois, and Wisconsin.

In "Report of geological survey of the Upper Mississippi lead region." Extract from "Report of the geological survey of the state of Wisconsin." Vol. I. Albany, 1862

1864-Engelmann, Henry. Map of Harding county.

In "Geological survey of Illinois." I:350.

1866-Whitney, J.D. Geological map of the Northwest corner of Illinois.

In "Geological survey of Illinois." I:154 Called in the list of illustrations "Geological map of the Galena lead region."

1867-Freeman, H.C. Map of LaSalle county.

In "Geological survey of Illinois." 3:257

1875-Worthen, A.H. Geological map of the state of Illinois. Bost. 1875.

In two large sheets, lithographed at Boston, published by legislative authority; no scale or place of publication on it.

1879-Irving, K.L. Map of Wisconsin and adjoining portions of Michigan, Illinois, Iowa, and Minnesota, showing geological structures, positions of the principal mining districts &c.

In " The Mineral resources of Wisconsin ." Trans. Amer. Inst. Min. Engrs. 2: 506 Very clear map.

GENERAL ARTICLES

Illinois

Illinois. Atlan. 7:579-595

Illinois and her resources. Hunt, 5:427-437

Geology of Illinois. Brit. 12:742

Geology of Illinois. John. Ency. 4:497

Geology of Illinois. Rep't. Ill. Soc. Eng. & Surv. 1892

Geology of Illinois. (Prof. J. Lindahl) Rep't. World's
Fair Com. p. 65-73

Geology of northern Illinois. (J.A. Udden) Rep't World's Fair
Com. P. 113-154

Geology of northwestern Illinois. (J. Shaw) Ill. Geol. Surv. 5:24

Geology of upper Illinois. Amer. Jour. Sci. 34:134-161

From the Ohio to the Mississippi river. General sketch.

(Gilbert, G.K.) Int. Cong. Geol. Comptes Rendus, 5th. sess.
p. 289-290. Mentions the different exposures of silurian,
devonian & carboniferous rocks and describes the glacial phe-
nomena of the region.

The prairies; -Liberator, from Kansas City Mo. to Chicago Ill.

(McGee, W.J.) Int. Cong. Geol. Comptes Rendus 5th. sess. p. 447-

462. Describes the surface features of the prairie and the local geology between the points named.

Geology from St. Louis to Shawneetown. Rep't World's Fair Con.
p.155-183

Mineral resources of Illinois.

In "The continent's American railway guide." p. 209, 217, 221

Useful minerals of Illinois

M R 1882 p.677-679.

M R 1887 p.725-727

Chicago

Geology of Chicago and vicinity. Harp. 81:427-436

Geology of the drainage canal. (C.H.Ford) Jour. West. Soc. Eng.
1:476-481

Mississippi valley

Geology of the Mississippi valley

In " Foster, J.W. Mississippi valley." Chic. 1869 Chap. 8, 9, 10

*Geology of the Mississippi valley. (L.A.Pront) West. Jour. 1:243

*On the surface geology of the basin of the Great Lakes and the valley of the Mississippi. Ann. N.Y. Lyc. 9:1

Notes on the surface geology of a part of the Mississippi valley.
Geol. Mag. 7:353-361.

Notes upon the geology of the western states. (James Hall)
Amer. Jour. Sci. 42-62

EROSION AND DEPOSITION

Bowlder belts distinguished from bowlder trains; their origin and significance. Geol. Soc. Amer. Bull. 1:27-28

Boulders of Champaign county and what they teach. Thesis. (Plank, H.S.G.) Univ. of Ill. 1892

Criteria of glacial and subglacial drift. (Uphan, W.) Amer. Geol. 8: 374-385 Resumé of the characters of the material and discussion, of their relation and differentiation.

Drift deposit of Illinois. Ill. Geol. Surv. 8:1-24 (A.H. Worthen)

Erosion during the deposition of the Burlington limestone.

(Fultz, F.M.) Amer. Geol. 15: 22-30 . Describes deposits near Burlington, Iowa which indicate a cessation of deposition and erosion and renewal of deposition during the formation of the Burlington limestones.

The glacial horizon in Western Pennsylvania, Ohio, Kentucky, Indiana, and Illinois. U.S. Geol. Surv. Bull. 58: 39-110

Glacial deposit in Illinois.

In "Wright's Mass and the glacial period." p.95-98, 100, 119-121, 345-7

Glacial geology. (G. Guthrie) Rep't World's Fair Con. p. 305-307

Glacial period in Illinois. (W. McAdams) Kansas Rev. 7:219-221

Glacial phenomena of north-eastern Illinois and northern Indiana.

(Frank Leverett) Abstract. Amer. Assoc. Adv. Sci. Proc.

38:248. Also Amer. Nat. 23:808, and Nature 40:557-558

Evidence of glaciers in Illinois.

In "Wright's Ice age in North America. p. 120, 173, 145-144,

213, 227, 367, 441, 442, 480-481

Observations on the fluviatile deposits of Peoria Lake, Ill.

(J.D. Wilson) Chic. Acad. Sci. Bull. 1:11.2

Observations upon the glacial drift beneath the bed of Lake Mich-

igan as seen in the Chicago tunnel. Amer. Jour. Sci. 93:75-77

The occurrence of the "Forest bed" beneath intra-moranic drift.

(Frank Leverett) Abstract. Amer. Assoc. Adv. Sci. Proc.

37:183-184

On some remarkable relations and characters of the western boulder

drift. Amer. Jour. Sci. 98:172-179

Pre-glacial erosion cycles in north-western Illinois. Amer. Geol.

18:72-106.

The probable existence of a second driftless area in the Missis-

sippi valley. (R.W. Salisbury) Abstract. Amer. Geol. 8:552

Also in Amer. Assoc. Adv. Sci. 40:251-253

Remarks on the drift of the western and southern states. (Hilgard,

R.W.) Amer. Jour. Sci. 92:343-347

S U R F A C E F E A T U R E S

List of altitudes in the State of Illinois. Ill. State Lab.
Nat. Hist. Bull. 4:96-137

Illinois altitudes.

U.S. Geol. Surv. Bull. 5: 794

" " " " :72:205

" " " " 76

The altitudes of the eastern and central portions of the U.S.
during the glacial period. (Chamberlain, T.C.) Amer. Geol.
8:253, 267-275

The ancient outlet of Lake Michigan. (Davis, W.H.) Pop. Sci. Mo.
46:217-229

Artesian water from the drift in eastern Illinois. (Rolfe, C.W.)
Amer. Geol. 6:32-35

Artesian water. Ill. Geol. Surv. 8:64-67

An artesian well at Moline. (Pratt, W.H.) Dav. Acad. Sci.
Proc. 3:181-182

Artesian wells. (Constock, T.B.) Ill. Soc. Eng. & Surv.
Rep't 1888 p. 120-126

Chicago artesian wells; on their structure and supply.
(Stone, Leander) Chic. Acad. Sci. Bull. 1: 108

The great waterway to the Great Lake Michigan with the Mississippi river and its influence on floods in Illinois river.

Assoc. Eng. Soc. Jour. 6:182-189

" " " " 7:313-329

Water bearing upon the pre-glacial drainage of western Illinois and eastern Iowa. (Leverett, Frank) Amer. Assoc. Adv. Sci. Proc. 41:176. Abstract.

Physical features, general principles and surface geology.

Ill. Geol. Surv. 1:1-39

The pre-glacial valleys of the Mississippi and its tributaries. (Leverett, Frank) Jour. Geol. 3:740-745

Raised beaches of Lake Michigan. (Leverett, Frank)

Wis. Acad. Sci. Trans. 7:177-192

Record of deep well at Dixon, Illinois. (Tiffany, A.S.)

Amer. Geol. 5:124 . One paragraph.

Relief map. Rep't World's Fair Com. p.45-57

The source of the water supply of the city of Springfield.

(Bullard, S.A.) Ill. Soc. Eng. & Surv. Rep't 1889

p.49-52

The streams of Illinois and their future development.

(Ward, E.J.) Ill. Soc. Eng. & Surv. Rep't 1897 p.24-38

The water resources of Illinois. (Leverett, Frank.)

U.S. Geol. Surv. Ann. rept 17 pt. 2 p. 701-849

Wells in central Illinois.

U.S. Geol. Surv. Ann. rept 21 pt. 1 p. 535-640

M E T E O R O L O G Y

*Changes of climate indicated by interglacial beds and attendant
erosion and leaching. (Levee t, Frank)

Bost. Soc. Nat. Hist. Proc. 24:455-459

Hydro-geology of the upper Mississippi valley and some of the
adjoining territory. (Mead, D.W.)

Assoc. Eng. Soc. Jour. 13:329-396

Notes on the hydro-geology of Illinois in relation to its water
supplies. (Mead, D.W.)

Ill. Soc. Eng. Surv. 6th. ann. rep't 1893

The origin and formation of the prairies

Ill. Geol. Surv. 1:238-254

Tornadoes in Illinois.

Amer. Meteor. Jour. 26: 13-19

S T R A T I G R A P H I C A L G E O L O G Y

Columbia formation in Northwestern Illinois. (Hershey, O.H.)

Amer. Geol. 15:7-24

Correlation papers: devonian and carboniferous. (Williams, H.S.)

U.S. Geol. Surv. Bull. No. 80:135-172

Treats of the lower carboniferous or Mississippi series:
the development of the nomenclature and classification of the
lower carboniferous formations of the Mississippi provinces

Devonian and Silurian systems. (Worthen, A.H.)

Ill. Geol. Surv. 1:119-152

Different types of the devonian system of North America.

(Williams, H.S.) Amer. Jour. Sci. 135: 51-89

Florencia Formation. (Hershey, O.H.)

Amer. Jour. Sci. 124:90-98

Bibliography of lower silurian literature of the Mississippi
valley.

Minn. Geol. Nat. Hist. Surv. Final rep't 3:pt. I prei. p.9-54

The History of Niagara river. (Gilbert, G.K.)

N.Y. Com. State Res. at Niagara. 6th. rep't. p.61-84

Contains a sketch of the post-tertiary history of the Great

Lakes region, comprising a description and discussion of the phenomena by which its history is recorded and of the agencies and attendant conditions.

Keokuk group of the Mississippi valley. (Beachler, C.S.)

Amer. Geol. 10:88-96

Loess formation of the Mississippi valley. (Hershey, O.H.)

Science new series 5:768-770

" " " " "5:993-994 Reply by J.E. Todd.

Early pleistocene deposits of northern Illinois. (Hershey, O.H.)

Amer. Geol. 17:287-303

The pleistocene rock gorges of northwestern Illinois. (Hershey, O.H.)

Amer. Geol. 12: 314-323

The relations of the Pleistocene to the pre-pleistocene formations of the Mississippi basin south of the limits of glaciation. (Chamberlain, T.C. & Salisbury, R.D.)

Amer. Jour. Sci. 141:359-377

*Relations and extent of paleozoic border rocks in Illinois

Geol. Surv. of Kentucky. 1888 Also Amer. Jour. Sci. 137:238

Abstract.

A review of the quaternary era with special reference to the deposits of the flooded rivers. (Upham, W.)

Amer. Jour. Sci. 141:53-58

The silveria formation. (Hershey, O.H.)

Amer. Jour. Sci. 152:324-330

Tertiary deposits and coal measures. (Worthen, A.H.)

Ill. Geol. Surv. 1:40-76

Tertiary deposits in Illinois

U.S. Geol. Surv. Bull. 83:73 1 paragraph

Paleozoic rocks explored by deep borings at Rock Island and vicinity.

In "Water resources of Illinois" (Leverett, Frank.)

U.S. Geol. Surv. Ann. rep't pt.2 p.788-799

STRUCTURAL GEOLOGY

Natural distortion of rock in place as shown on the Chicago drainage canal. (Harrison?C.L.)

West. Soc. Engr. Jour. 2:25-43

Strike and slickenside at Alton Illinois. (Todd,J.E.)

Amer. Geol. 8:236

Abstract.

Amer. Assoc. Adv. Sci. 40:254-255 "

C L A S S I F I C A T I O N O F R O C K S

Classification of rocks in Illinois.

U.S. Geol. Surv. Bull. 80:19-163

I G N E O U S R O C K S

Fulgurite from Whiteside county, Illinois. (Clarke, F.W.)

U.S. Geol. Surv. Bull. 42:140 I paragraph.

S E D I M E N T A R Y R O C K S

Clays

Clays from Henry county. Analysis.

U.S. Geol. Surv. Bull. 27:66-67

Loess and clays. Analysis. (Riggs, R.B.)

U.S. Geol. Surv. Bull. 42:145 I paragraph

Composition of bowlder clay from Illinois.

In "Merrill's Rocks, rock-weathering and soils. p.354

North American Geological notes. (Gresley, W.S.)

Manchester Geol. Soc. Trans. 21:1874

Describes relations of clay streaks in coal beds in Illinois

Gravels

The northward and eastward extension of pre-pleistocene gravels
in the basin of the Mississippi. (Salisbury, R.D.)

Amer. Geol. 8:195, 238 Abstract.

Pre-glacial gravels on the quartzite range near Baraboo, Wisconsin.

Jour. Geol. 3:655-667

Limestone

Limestone from Cook county. Analysis.

M R 1889-90 p. 390

Carboniferous limestones of the Mississippi valley.

Amer. Jour. Sci. 73:187-203

Formation of the flint beds of the Burlington limestones.

Iowa Acad. Sci. Proc. 2:177

Oil-bearing limestones of Chicago.

Amer. Jour. Sci. 101:420-424

Quarrying and dressing of limestones in northern Illinois.

(Barclay, William) Thesis. Univ. of Ill. 1887

Description of beds. 2 pages

Sub-carboniferous limestone series. (Worthe, A.H.)

Ill. Geol. Surv. 1:77-118

Sand

The horizon of orange sand, Esar and Kane formations. (Chapman, T.C.)

Jour. Geol. 1:255-267

Also Amer. Geol. 12:112-123 Abstract.

Note on the age of orange sand. (Salisbury, R.D.)

Amer. Jour. Sci. 142:252-253

Sandstone

The Elk Horn Creek area of St Peter sandstone in northwestern

Illinois. (Hershey, O.H.)

Amer. Geol. 14:169-179 With map.

A local deposit of Chester sandstone. (Nickles, J.H.)

Amer. Geol. 7:47-48

The magnesian series of the northwestern states

Geol. Soc. Amer. Bull. 6:167-198 pt. 2

Includes a geologic map of portions of Minnesota, Iowa, Wisconsin and Illinois.

Shale

The Utica shale of Stephenson county Illinois. (Hershey, O.H.)

Science 22:202

ECONOMIC GEOLOGY - MATERIALS

Chemical report

Chemical report for the Illinois geological survey. (Blaney, J.V.Z.)

Ill. Geol. Surv. I:255-277

Chemical analysis. (Blaney, J.V.Z.)

Ill. Geol. Surv. 3:573-574

Building stones

Building stones of Illinois.

10th census 10:219-226

Building stones from Illinois. Statistics.

M R 1862 p.451

" 1866 p.540,542

" 1867 p.515

" 1888 p.540

" 1888-9 p.374,388-90

" 1891 p.461,462,464,465

Properties of some Illinois building stones. (Mosier, J.C.)

Thesis. Univ. of Ill. 1886

Building stones of Illinois. (Breidert, H.C.)

Thesis. Univ. of Ill. 1896

The collection of building and ornamental stones in the U.S.

National Museum. (Merrill, G.P.)

Smith. Inst. Rep't 1886 p.2 p.277-348

Limestone production of Illinois.

M R 1891 p.464-465

Limestone, marble and sandstone of Illinois. Statistics.

10th census 10:50

Limestone and sandstone in Illinois. Statistics.

10th census 10:86-87

Limestone produced in Illinois in 1887.

11th census Min. Indus. p.632,633

Sandstone produced in Illinois in 1889.

11th census Min. Indus. p.647

Coal

*American coal fields. (Rogers, H.D.)

Jour. Frankl. Inst. 63:563

Coal discovered in Illinois by Father Hennepin.

In "Taylor" Statistics of coal. p.248-250



Coal area and statistics of coal in Illinois.

U.S. Geol. Surv. Ann. rep't 2 pref. p. 28

M R 1882 p.49-51

" 1883 p.12,39-43

" 1885 p.11,27-28

" 1886 p.125,250,253-261

" 1887 p.109,171,224-237

" 1888 p.109,171,242-256

" 1889-90 p.195-205

" 1891 p.179,219-226

Coal fields in Illinois.

11th census Min. Indus. p. 340-347

Coal fields of the plain of the Mississippi.

In "Taylor's Statistics of coal. p.475-477

Coal in Illinois . Pamphlet. 174p

Published by the State Bureau of labor statistics. Springfield, Ill. 1895.

Coal measures and lower carboniferous limestone. (Worthen, A.H.)

Ill. Geol. Surv. 3:1-19

Coal measures. (Worthen, A.H.)

Ill. Geol. Surv. 6:1-8

" " " 7:1-38

Coal. (Worthen, A.H.)

Ill. Geol. Surv. 8:25-58

*Coal mines in Illinois.

Jour. Frank. Inst. 11:375

Coal mining in the Bellville sea no. 6 at StClair county Ill.

Colliery Eng. 12:33

Production of bituminous coal in Illinois. Statistics.

10th census 15:62-649, 674-678

Coal production in Illinois 1863

Science. 3:450-491 Supplemental report of the State Bureau of
Labor Statistics

Coal production in Illinois 1865. (Lord, J.S.) Pamphlet. 186p

A supplemental report of the State Bureau of Labor Statistics.

Coal production in Illinois 1867-68

Trans. Amer. Inst. Min. Eng. 16:174

Coal in Illinois. Statistics.

11th census Min. Indus. p.367

Coal production in 1895-6

Eng. & Min. 63:626

Coal trade: a compendium of valuable information relative to
coal production, prices transportation &c

Coals of Illinois. (Hiles, H.K. & Llewellyn, L.R.)

Thesis Univ. of Ill. 1895

Coals of Illinois. Analysis. (Kerchner, F.W.)

Thesis Univ. of Ill. 1894

Coals of Illinois. (Dell, W.R. & Man, A.R.)

Thesis Univ. of Ill. 1897

Heating power of Illinois coals. (McComney, F.B.)

Thesis Univ. of Ill. 1889

Illinois coal regions.

In "Macfarlane's Coal regions of America" p. 408-436

The long wall coal mining region of Grundy count. Ill.

Eng. & Min. 62:487-488

The mineral industry, its statistics, technology, and trade in the
U.S. and other countries.

Statistical supplement to Eng. & Min. Jour. 1892-1897

*Peculiar formations in the roof of a coal seam in Illinois.

In "North American geological notes. (Grasley, W.S.)

Manchester Geol. Soc. Trans. 11: pt. 2 p. 66-74

Report on the coal fields of Illinois. (Leopoldus, L.)

Ill. Geol. Surv. 1:208-237

*Report on the mineral resources of the Illinois central railway.

Poster, J. W. 1886

Suitability of Illinois coal for gas making. (Smith, L. H.)

Thesis. Univ. of Ill. 1897

The Wilmington Illinois coal field

Amer. Inst. Min. Eng. Trans. 3:188-202

Earth, economic minerals

Fluorspar deposits in southern Illinois. (Ellons, S. F.)

Amer. Inst. Min. Eng. Trans. 21:31-33

Glass-sand in Illinois. Statistics.

10th census 15:840,846-849

Hydraulic cement in Illinois. Statistics of production.

10th census 15:841,846-849

Lime production of Illinois.

H. R. 1880 5,555

Iron

Iron and steel. Statistics.

M. R. 1882 p.130,131,129,130,133,134,135,136,137

" 1883-4 p.132

" 1885 p.183,184,186

" 1886 p.16

" 1887 p.11

" 1888 p.14,23,25

" 1889-90 p.10,12,17

" 1891 p.34,35,31

Lead

Geology of the lead region. (Whitney, J.D.)

Ill. Geol. Surv. 1:153-207

Lead from Illinois. Statistics.

U.S. Geol. Surv. Ann. rep't 2:38

M. R. 1882 p.312

" 1883-4 p.415,426

" 1885 p.346

Lead mining at Galena Illinois

Harp. 32:31-396

Lead and zinc ore. Statistics

10th census 15:106

Mineral waters

*Analysis of water from spring at M'Leansborough

U.S. Geol. Surv. Bull. 60;172

Mineral springs in Illinois

U.S. Geol. Surv. Bull. 32:142-144

M R 1883-84 p.331

" 1885 p.337

" 1886 p.716

" 1887 p.383

" 1888 p.536

" 1889-90 p.333

" 1891 p.503,605

Production of mineral water in Illinois 1889

11th Census Min. Indus. p.779

Oil and natural gas

Crude petroleum production in 1889.

11th Census Min. Indus. p.431

Areas of natural gas land in Illinois

11th Census Min. Indus. p.514

Natural Gas. (Wortgen, A.H.)

Ill. Geol. Surv. 61:1-64

Natural gas in Illinois.

Am. Ind. Min. Eng. Trans. 14:526, 539-41

Natural gas in Illinois.

Eng. News 14:379-380

Natural gas localities. Statistic.

I. R. 1865 p.127-136

" 1866 p.321-323

" 1867 p.436,

" 1889-90 p.367

" 1891 p.438

Oil and natural gas in Illinois.

Ill. Soc. Eng. & Surv. Rep't 1887 p.92-106

Oil. (Worthern, A.H.)

Ill. Geol. Surv. 8: 58-64

Zinc

Zinc in Illinois

U.S. Geol. Surv. Ann. Rep't 2 p.29

I. R. 1862 p.546, 547, 565-7, 576-581

" 1863-4 p.475

" 1885 p.73

" 1888 p.154, 155

" 1887 p.113

" 1888 p. 92

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Ill. Geol. Surv. 4:15-21

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Ill. Geol. Surv. 3:20-31

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Ill. Geol. Surv. 6:128-134

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Ill. Geol. Surv. 5:95-103

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Ill. Geol. Surv. 4:62-74

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Ill. Geol. Surv. 7:137-134

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Ill. Geol. Surv. 4:1-23

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Ill. Geol. Surv. 2:75-87

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Ill. Geol. Surv. 4:166-170

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Ill. Geol. Surv. 4:266-277

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Ill. Geol. Surv. 6:9-11

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Ill. Geol. Surv. 6:2-97

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Ill. Geol. Surv. 3:172-181

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Ill. Geol. Surv. 6:9-111

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Ill. Geol. Surv. 3:238-256

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Ill. Geol. Surv. 6:11-33

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Ill. Geol. Surv. 3:99-111

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Ill. Geol. Surv. 4:111-120

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Ill. Geol. Surv. 5:104-121

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Ill. Geol. Surv. 7:39-51

" " "3:257-267

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Ill. Geol. Surv. 3:124-139

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Peoria Sci. Assoc. Bull. 1:14-21

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Ill. Geol. Surv. 6:112-127

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Ill. Geol. Surv. 4:304-302

Note- Practically the same material as above can be found in
 Economic geology of Illinois. Ev. Springfield. 1882

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